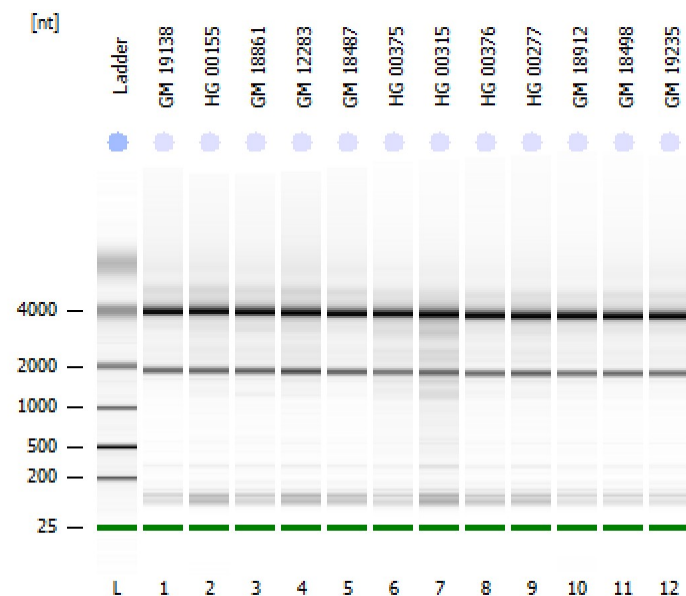


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

Created: 10/21/2011 3:13:58 PM
Modified: 10/21/2011 3:37:05 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

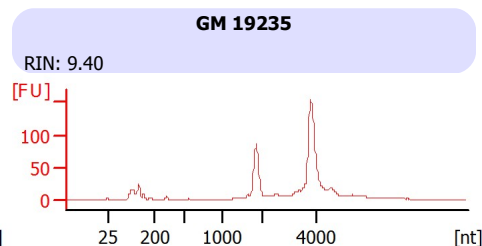
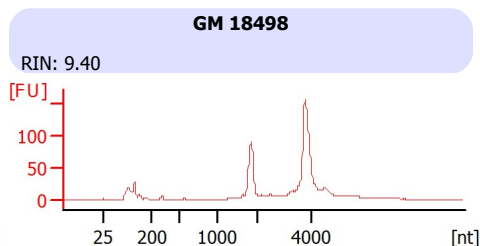
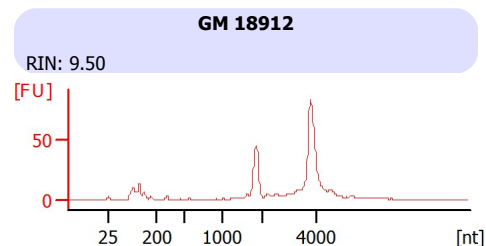
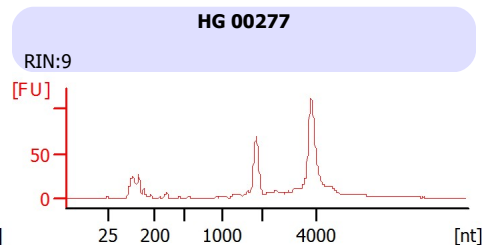
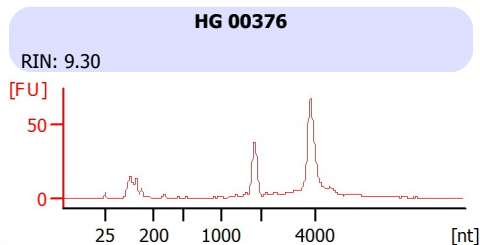
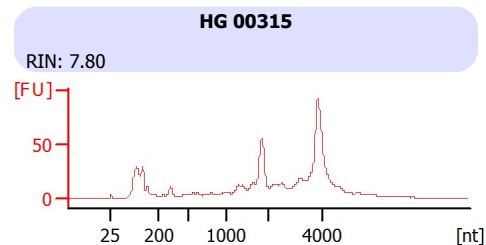
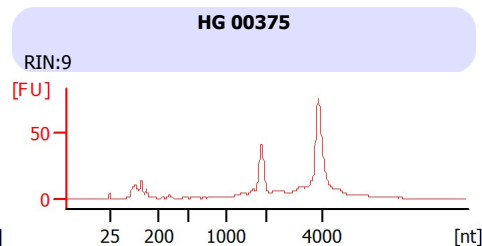
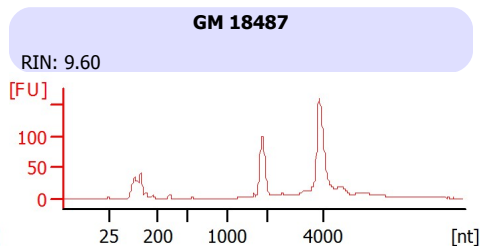
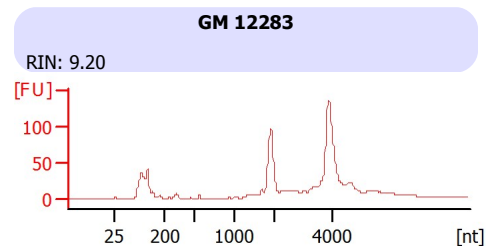
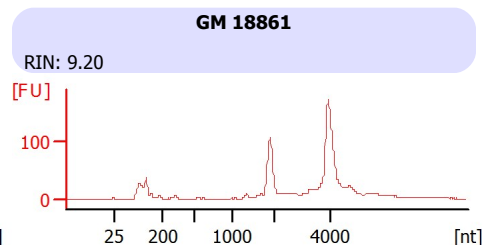
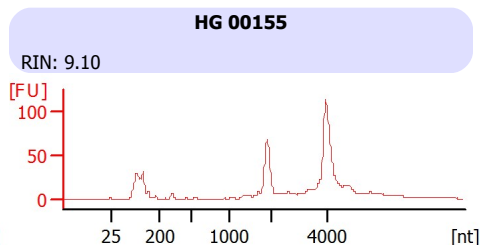
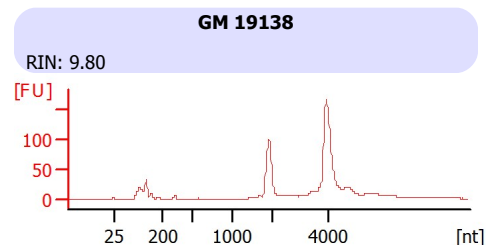
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

Created: 10/21/2011 3:13:58 PM
Modified: 10/21/2011 3:37:05 PM

Electrophoresis File Run Summary (Chip Summary)

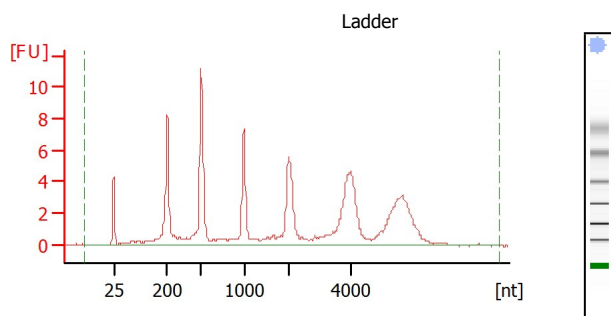
Sample Name	Sample Comment	Status	Result Label	Result Color
GM 19138		✓	RIN: 9.80	
HG 00155		✓	RIN: 9.10	
GM 18861		✓	RIN: 9.20	
GM 12283		✓	RIN: 9.20	
GM 18487		✓	RIN: 9.60	
HG 00375		✓	RIN:9	
HG 00315		✓	RIN: 7.80	
HG 00376		✓	RIN: 9.30	
HG 00277		✓	RIN:9	
GM 18912		✓	RIN: 9.50	
GM 18498		✓	RIN: 9.40	
GM 19235		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

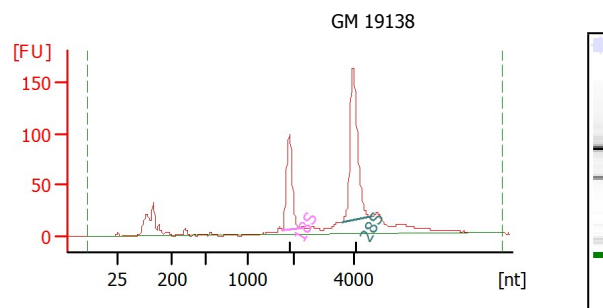
Created: 10/21/2011 3:13:58 PM
 Modified: 10/21/2011 3:37:05 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 109.3
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

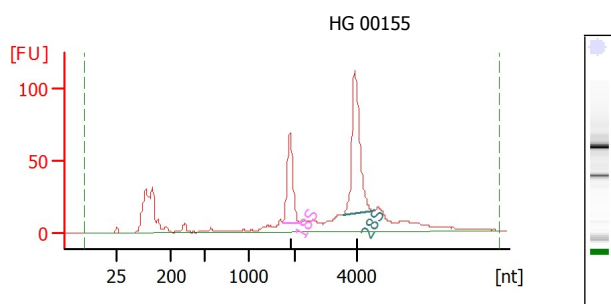


Overall Results for sample 1 : GM 19138

RNA Area: 1,012.6
 RNA Concentration: 1,390 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 1 : GM 19138

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,193	168.8	16.7
28S	3,584	4,525	303.4	30.0

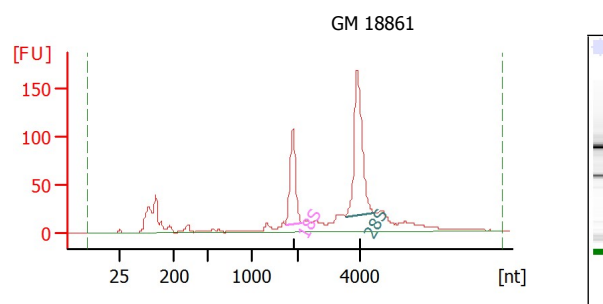


Overall Results for sample 2 : HG 00155

RNA Area: 875.1
 RNA Concentration: 1,201 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 2 : HG 00155

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,748	2,184	114.4	13.1
28S	3,560	4,545	207.7	23.7



Overall Results for sample 3 : GM 18861

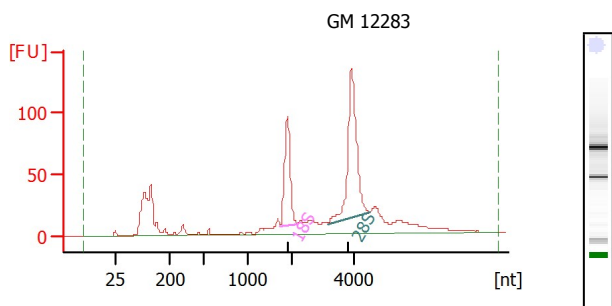
RNA Area: 1,215.9
 RNA Concentration: 1,669 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 3 : GM 18861

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,170	175.5	14.4
28S	3,547	4,491	317.9	26.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

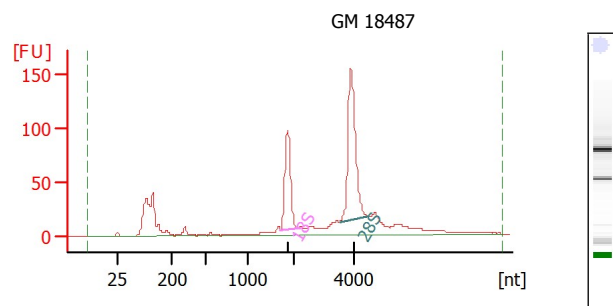
Created: 10/21/2011 3:13:58 PM
Modified: 10/21/2011 3:37:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : GM 12283**

RNA Area: 1,142.9
RNA Concentration: 1,569 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.2 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.20

Fragment table for sample 4 : GM 12283

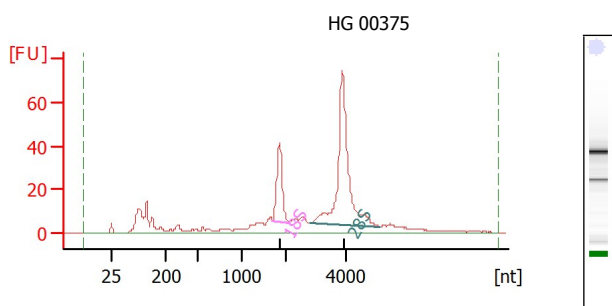
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,142	158.6	13.9
28S	3,143	4,495	279.1	24.4

**Overall Results for sample 5 : GM 18487**

RNA Area: 1,070.0
RNA Concentration: 1,469 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 5 : GM 18487

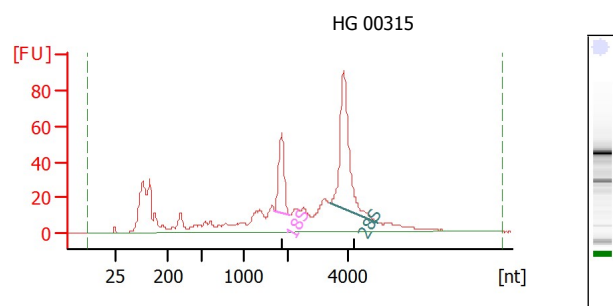
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,125	165.4	15.5
28S	3,502	4,430	287.0	26.8

**Overall Results for sample 6 : HG 00375**

RNA Area: 569.5
RNA Concentration: 782 ng/μl
rRNA Ratio [28s / 18s]: 3.1
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9

Fragment table for sample 6 : HG 00375

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,120	62.1	10.9
28S	2,837	5,084	194.5	34.1

**Overall Results for sample 7 : HG 00315**

RNA Area: 1,022.8
RNA Concentration: 1,404 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 7.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.80

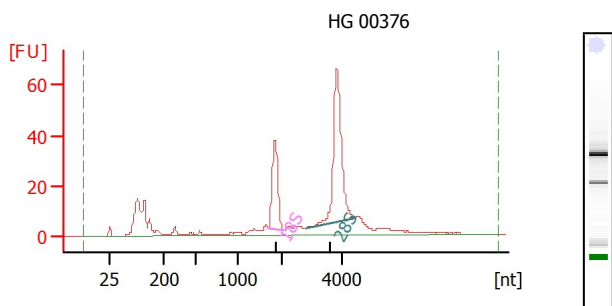
Fragment table for sample 7 : HG 00315

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,048	78.2	7.6
28S	3,378	4,957	191.9	18.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

Created: 10/21/2011 3:13:58 PM
 Modified: 10/21/2011 3:37:05 PM

Electropherogram Summary Continued ...

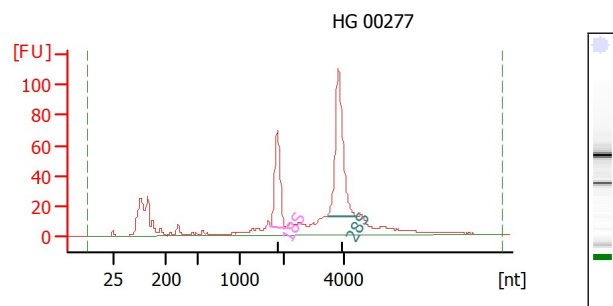


Overall Results for sample 8 : HG 00376

RNA Area: 473.6
 RNA Concentration: 650 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 8 : HG 00376

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	2,074	64.7	13.7
28S	2,797	4,411	137.9	29.1

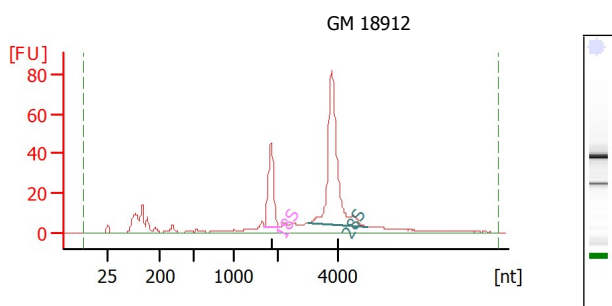


Overall Results for sample 9 : HG 00277

RNA Area: 844.7
 RNA Concentration: 1,159 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 9 : HG 00277

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,072	114.9	13.6
28S	3,413	4,377	209.8	24.8

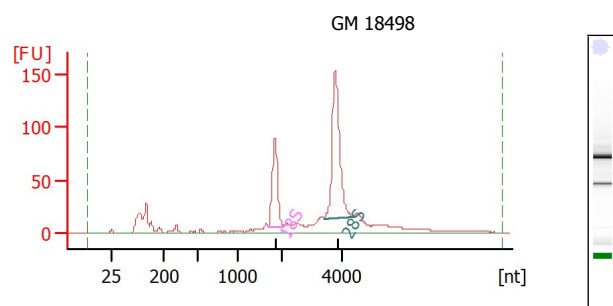


Overall Results for sample 10 : GM 18912

RNA Area: 522.5
 RNA Concentration: 717 ng/μl
 rRNA Ratio [28s / 18s]: 2.7
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 10 : GM 18912

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,691	2,054	75.7	14.5
28S	3,025	4,980	203.4	38.9



Overall Results for sample 11 : GM 18498

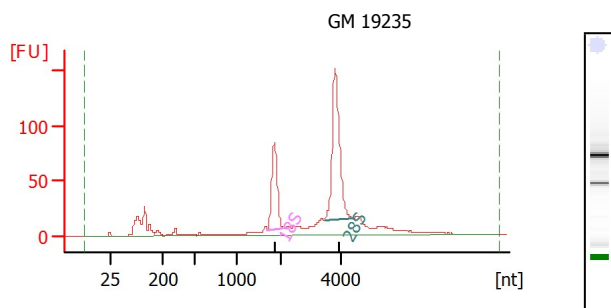
RNA Area: 998.7
 RNA Concentration: 1,371 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 11 : GM 18498

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,054	147.2	14.7
28S	3,418	4,375	282.3	28.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-13-58.xad

Created: 10/21/2011 3:13:58 PM
Modified: 10/21/2011 3:37:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 19235**

RNA Area: 986.7
RNA Concentration: 1,354 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 12 : GM 19235

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,072	142.6	14.4
28S	3,427	4,377	280.5	28.4